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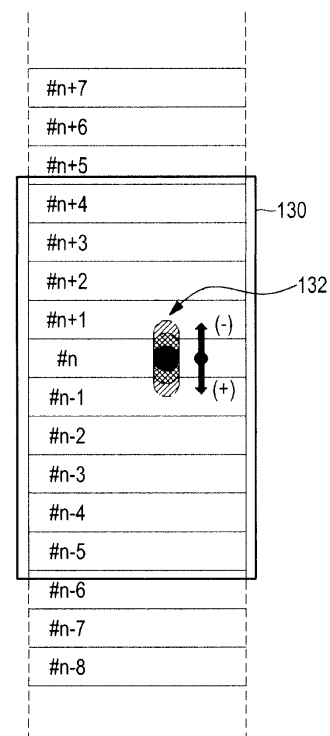
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(54) **Method, medium and apparatus for scrolling a screen in a display apparatus**

(57) A method of scrolling a screen in a display apparatus includes initiating a screen-scroll according to a speed of a currently generated flick input when the flick input is generated, comparing a tilt of an axis of a corresponding apparatus with an initial location at a time of generation of the flick input to determine whether a change amount of a change is within a reference value, maintaining a current screen-scroll speed if the change amount deviates from the reference value, and stopping a screen-scroll operation when a scroll stop condition is met.



**FIG.5**



## EUROPEAN SEARCH REPORT

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| DOCUMENTS CONSIDERED TO BE RELEVANT                                                                                                                                                                                                                    |                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                       |                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| Category                                                                                                                                                                                                                                               | Citation of document with indication, where appropriate, of relevant passages                                                                                                                    | Relevant to claim                                                                                                                                                                                                                                                                     | CLASSIFICATION OF THE APPLICATION (IPC)        |
| X                                                                                                                                                                                                                                                      | EP 2 293 176 A2 (SONY CORP [JP])<br>9 March 2011 (2011-03-09)<br>* abstract *<br>* paragraph [0012] *<br>* paragraph [0042] - paragraph [0046] *<br>* paragraph [0010] *<br>* paragraph [0048] * | 1-15                                                                                                                                                                                                                                                                                  | INV.<br>G06F3/0485<br>G06F3/0488<br>G06F3/0346 |
| A                                                                                                                                                                                                                                                      | US 2010/235794 A1 (ORDING BAS [US])<br>16 September 2010 (2010-09-16)<br>* abstract *<br>* paragraph [0149] *                                                                                    | 1-15                                                                                                                                                                                                                                                                                  |                                                |
|                                                                                                                                                                                                                                                        |                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                       | TECHNICAL FIELDS SEARCHED (IPC)                |
|                                                                                                                                                                                                                                                        |                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                       | G06F                                           |
| The present search report has been drawn up for all claims                                                                                                                                                                                             |                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                       |                                                |
| Place of search<br>The Hague                                                                                                                                                                                                                           |                                                                                                                                                                                                  | Date of completion of the search<br>29 November 2013                                                                                                                                                                                                                                  | Examiner<br>Dhondt, Erik                       |
| CATEGORY OF CITED DOCUMENTS<br>X : particularly relevant if taken alone<br>Y : particularly relevant if combined with another document of the same category<br>A : technological background<br>O : non-written disclosure<br>P : intermediate document |                                                                                                                                                                                                  | T : theory or principle underlying the invention<br>E : earlier patent document, but published on, or after the filing date<br>D : document cited in the application<br>L : document cited for other reasons<br>.....<br>& : member of the same patent family, corresponding document |                                                |

3  
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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 13 15 6570

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
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29-11-2013

| Patent document<br>cited in search report | Publication<br>date | Patent family<br>member(s) | Publication<br>date         |
|-------------------------------------------|---------------------|----------------------------|-----------------------------|
| EP 2293176                                | A2                  | 09-03-2011                 | CN 102012739 A 13-04-2011   |
|                                           |                     |                            | EP 2293176 A2 09-03-2011    |
|                                           |                     |                            | JP 2011059781 A 24-03-2011  |
|                                           |                     |                            | US 2011057880 A1 10-03-2011 |
| -----                                     |                     |                            |                             |
| US 2010235794                             | A1                  | 16-09-2010                 | NONE                        |
| -----                                     |                     |                            |                             |

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82